

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033123\
 Data File : VX034863.D
 Acq On : 31 Mar 2023 09:01
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/03/2023
 Supervised By : Mahesh Dadoda 04/03/2023

Quant Time: Apr 01 04:13:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	275640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	453674	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	414094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	210632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	198332	47.048	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.100%		
35) Dibromofluoromethane	5.379	113	149609	49.858	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.720%		
50) Toluene-d8	8.647	98	563452	50.873	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.740%		
62) 4-Bromofluorobenzene	11.079	95	225603	52.637	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	122747	44.648	ug/l	100
3) Chloromethane	1.294	50	158404	46.019	ug/l	100
4) Vinyl Chloride	1.374	62	156563	45.937	ug/l	99
5) Bromomethane	1.617	94	105386	47.585	ug/l	98
6) Chloroethane	1.691	64	109268	49.277	ug/l	99
7) Trichlorofluoromethane	1.886	101	263379	48.069	ug/l	99
8) Diethyl Ether	2.130	74	90133	46.662	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	135971	47.480	ug/l	98
10) Methyl Iodide	2.453	142	165821	46.497	ug/l	95
11) Tert butyl alcohol	2.989	59	149849m	202.601	ug/l	
12) 1,1-Dichloroethene	2.318	96	127786	45.158	ug/l	95
13) Acrolein	2.233	56	168713	221.590	ug/l	98
14) Allyl chloride	2.660	41	249819	45.063	ug/l	95
15) Acrylonitrile	3.062	53	366360	220.055	ug/l	98
16) Acetone	2.386	43	406839	237.572	ug/l	97
17) Carbon Disulfide	2.514	76	322470	45.501	ug/l	99
18) Methyl Acetate	2.703	43	273182	44.898	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	460712	43.974	ug/l	98
20) Methylene Chloride	2.788	84	147633	43.688	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	140888	45.651	ug/l	98
22) Diisopropyl ether	3.751	45	512785	45.842	ug/l	98
23) Vinyl Acetate	3.715	43	1887565	236.605	ug/l	98
24) 1,1-Dichloroethane	3.605	63	272968	45.354	ug/l	99
25) 2-Butanone	4.556	43	574592	230.664	ug/l	99
26) 2,2-Dichloropropane	4.471	77	222437	44.942	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	165142	45.160	ug/l	98
28) Bromochloromethane	4.891	49	140538	47.735	ug/l	98
29) Tetrahydrofuran	5.001	42	344698	220.886	ug/l	98
30) Chloroform	5.086	83	277441	45.385	ug/l	94
31) Cyclohexane	5.464	56	247249	48.168	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	240832	46.166	ug/l	98
36) 1,1-Dichloropropene	5.684	75	210801	47.418	ug/l	99
37) Ethyl Acetate	4.702	43	211733	45.549	ug/l	99
38) Carbon Tetrachloride	5.672	117	205400	49.006	ug/l	99
39) Methylcyclohexane	7.379	83	233231	49.406	ug/l	97
40) Benzene	6.031	78	597693	46.836	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.909	41	119154	47.134	ug/l	97
42) 1,2-Dichloroethane	6.080	62	236143	46.544	ug/l	99
43) Isopropyl Acetate	6.330	43	360632	46.372	ug/l	99
44) Trichloroethene	7.122	130	155843	47.840	ug/l	99
45) 1,2-Dichloropropane	7.427	63	158051	47.527	ug/l	99
46) Dibromomethane	7.574	93	108262	47.316	ug/l	98
47) Bromodichloromethane	7.817	83	210838	49.886	ug/l	98
48) Methyl methacrylate	7.689	41	178493	46.735	ug/l	97
49) 1,4-Dioxane	7.702	88	68472	869.958	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	1091487	237.144	ug/l	97
52) Toluene	8.714	92	380769	45.761	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	233358	51.325	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	252083	50.663	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	152164	48.318	ug/l	99
56) Ethyl methacrylate	9.110	69	239941	48.628	ug/l	96
57) 1,3-Dichloropropane	9.305	76	263327	47.215	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	622714	247.861	ug/l	99
59) 2-Hexanone	9.427	43	863850	248.144	ug/l	99
60) Dibromochloromethane	9.518	129	155557	51.853	ug/l	99
61) 1,2-Dibromoethane	9.604	107	159109	48.587	ug/l	99
64) Tetrachloroethene	9.268	164	136302	45.995	ug/l	96
65) Chlorobenzene	10.079	112	404617	46.963	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	146897	49.584	ug/l	99
67) Ethyl Benzene	10.189	91	751306	48.136	ug/l	98
68) m/p-Xylenes	10.299	106	572647	96.049	ug/l	97
69) o-Xylene	10.640	106	280963	48.105	ug/l	98
70) Styrene	10.652	104	468015	50.196	ug/l	99
71) Bromoform	10.799	173	103850	51.539	ug/l #	99
73) Isopropylbenzene	10.963	105	735434	47.666	ug/l	99
74) N-amyl acetate	10.841	43	332041	47.865	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	227884	45.065	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	192441m	45.343	ug/l	
77) Bromobenzene	11.195	156	171915	44.969	ug/l	98
78) n-propylbenzene	11.305	91	869357	48.776	ug/l	98
79) 2-Chlorotoluene	11.360	91	526780	46.811	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	610767	47.345	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	66082	46.663	ug/l	88
82) 4-Chlorotoluene	11.451	91	611270	46.776	ug/l	99
83) tert-Butylbenzene	11.713	119	578067	47.720	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	620119	47.270	ug/l	98
85) sec-Butylbenzene	11.890	105	720262	48.873	ug/l	99
86) p-Isopropyltoluene	12.006	119	607510	49.437	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	331068	47.552	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	338926	46.609	ug/l	100
89) n-Butylbenzene	12.329	91	542587	50.537	ug/l	98
90) Hexachloroethane	12.536	117	100004	52.525	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	325768	46.720	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	50414	47.762	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	193941	49.177	ug/l	99
94) Hexachlorobutadiene	13.725	225	80304	46.296	ug/l	99
95) Naphthalene	13.774	128	648081	46.248	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	191331	48.109	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

